Lockheed Martin Corporation 7921 Southpark Plaza, Suite 210 Littleton, CO 80120 Telephone 303-971-1880 Facsimile 303-971-5056

LOCKHEED MARTIN

Stephen Evanoff

Director

Corporate Energy, Environment, Safety & Health Programs

July 19, 2001

Mr. Gerard J. Thibeault Executive Officer California Regional Water Quality Control Board Santa Ana Region 3737 Main Street, Suite 500 Riverside, California 92501-3339

Dear Mr. Thibeault:

In accordance with the approved Water Supply Contingency Plan, enclosed is one copy of the May 2001 production well sampling report prepared by Earth Tech for Lockheed Martin Corporation. This report presents results from samples collected at Bunker Hill Basin production wells in May 2001.

Should you have any questions or comments, please contact me at 303-971-1880.

Sincerely,

Stephen Evanori

Director, Redlands Project

Attachment

c: See Distribution List

Mr. Gerard J. Thibeault July 19, 2001 Page 2

#### **Distribution List**

(Abbreviated Report without Attachments "A" & "B", which are available upon request)

Kim Alexander, Psomas Engineering

Chris Bahnsen, San Bernardino Valley Water Conservation District

Kalyanpur Baliga, Department of Health Services (San Bernardino)

Mary Bridgewater, Department of the Air Force, AFBCA

W. William Bryden, City of San Bernardino

Tom Crowley, San Bernardino Valley Water Conservation District

Dodie Farmer, Victoria Farms Mutual Water Company

Douglas Headrick, City of Redlands

Ross Lewis, Gage Canal Company

Steve Mains, Western Municipal Water District

Morris Matson, Loma Linda University

■ Kevin Mayer, US EPA (Region IX)

Eugene McMeans, Riverside Highland Water Company

Zahra Panahi, City of Riverside

Dan Randall, City of Riverside

Bob Reiter, San Bernardino Valley Municipal Water District

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Alain Sharp, Earth Technology Corporation

Greg Snyder, City of Loma Linda

Glen Thomas, Mountain View Power Company

Dieter Wirtzfeld, City of Riverside

Mr. Gerard J. Thibeault July 19, 2001 Page 3

bc: Gallop, Johnson & Neuman

101 S. Hanley Road St. Louis, MO 63105 Attn: Michael Re

Highland Supply Corporation 111 Sixth Street Highland, IL 62249 Attn: Donald E. Weder

Seven W Enterprises, Inc. 1500 Crafton Avenue P.O. Box 111 Redlands, CA 92373-1730 Attn: Janet M. Weder Mr. Gerard J. Thibeault July 19, 2001 Page 4

bc: Doug Goins, LMC-Legal (Denver)
Stephen Evanoff, LMC (Denver)
Ian Hutchinson, TRC (Irvine)
Gene Matsushita, LMC (Burbank)
Gail Rymer, LMC-Communications (Bethesda)
Bob Simpson, LMC (Riverside)
John Wiggin, LMC (Denver)
Matt Werner, Earth Tech (Long Beach)

RED Chron File – RED0701 WBS #48 Redlands Repository Reg File July 17, 2001

Lockheed Martin Corporation West Coast Project Office 2550 N. Hollywood Way, 3<sup>rd</sup> Floor Burbank, California 91505

Attention:

Mr. Gene Matsushita

**Project Supervisor** 

Subject:

May 2001 Data Report

Water Supply Contingency Plan Production Well Sampling Program Crafton-Redlands Plume Project Telephone

562.951.2000

Facsimile

562.951.2100

#### Dear Mr. Matsushita:

This report presents a summary of results of the Water Supply Contingency Plan production well sampling for the month of May 2001. The Water Supply Contingency Plan (WSCP) was prepared by Lockheed Martin Corporation and submitted to the State of California Regional Water Quality Control Board (RWQCB) Santa Ana Region on September 30, 1996. The plan was conditionally approved by the RWQCB in a letter dated March 6, 1997. The WSCP for the Crafton-Redlands Plume was prepared to address maintenance of water supply to purveyors in the event that wells became impacted with trichloroethene (TCE) from the Crafton-Redlands TCE Plume. A summary of key dates and WSCP sampling program evolution is provided on Table 1.

The locations of the WSCP wells and analytical results for the May 2001 sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively. Table 2 presents a summary of analytical tests performed on each WSCP well and water system sampling point. The sampling frequency of each well is once a month for the first year. More frequent sampling, if required, is based on the analytical results as outlined in the WSCP TCE and perchlorate decision matrices, provided as Figures 3 and 4, respectively. The perchlorate decision matrix was presented in the Perchlorate Work Plan and Schedule, which was submitted to the RWQCB on August 15, 1997. The RWQCB approved the Perchlorate Work Plan on October 31, 1997. Table 3 presents a summary of the wells sampled twice monthly according to the decision matrices.

#### RESULTS

Summaries of the analytical results for the May 2001 WSCP sampling event for TCE and perchlorate are shown on Figures 1 and 2, respectively, and presented on Table 4. Available groundwater elevation data are provided on Table 5. The water sampling field forms are provided in Attachment A. Chain-of-custody, laboratory data sheets, and Level III laboratory quality assurance/quality control (QA/QC) documentation are provided in Attachment B.

#### **Trichloroethene**

Two groundwater samples collected in May met or exceeded  $2/5^{th}$  the MCL for TCE (i.e., were greater than or equal to 2.0  $\mu g/L$ ) including: Gage 27-1 (5.7  $\mu g/L$ ) and Gage 29-2 (5.5  $\mu g/L$ ). The TCE impacts at Gage 26-1, Gage 27-1, Gage 29-2 and Gage 29-3 are partially attributed to the Norton AFB plume and partially attributed to the Crafton Redlands plume.

Richardson #1 was activated for sampling only. The purge water from Richardson #1 was pumped to waste, and not into the system. TCE was detected in Richardson #1 at 1.9  $\mu$ g/L.

Gage 26-1 and Gage 27-1 were placed into TCE treatment in May 1999; TCE treatment was installed at Gage 29-2, Gage 29-3, and Gage 92-1 in February 2000. Therefore, these five wells will be sampled once a month for TCE when active.

#### Perchlorate

In the May WSCP sampling, perchlorate was detected at or above 75 percent of the PAL (i.e., greater than or equal to13.5  $\mu$ g/L) in Richardson #1 (33  $\mu$ g/L), Gage 27-2 (20  $\mu$ g/L), Gage 29-1 (17  $\mu$ g/L), Gage 29-2 (64  $\mu$ g/L), Gage 51-1 (62  $\mu$ g/L), Gage 66-1 (23  $\mu$ g/L), and Gage 92-1 (32  $\mu$ g/L).

Richardson #1, Gage 29-2, Gage 29-3, Gage 51-1, and Gage 92-1 wells are currently being sampled twice a month for perchlorate, if active. Additional wells added to twice a month sampling as a result of May analytical results are Gage 27-2, Gage 29-1 and Gage 66-1.

Richardson #1 was activated for sampling only. The purge water from Richardson #1 was pumped to waste, and not into the system.

### **CLOSING**

Should you have any questions or comments, please do not hesitate to call.

Sincerely, Earth Tech

Eric Peterson, P.E.

Program Director

Matthew Werner, R.G., C.E.G., C.H.

Project Manager

TABLES

#### TABLE 1

#### KEY PROJECT DATES AND WSCP SAMPLING PROGRAM EVOLUTION

August 2, 1996, the RWQCB – Santa Ana Region requested Lockheed Martin to submit a conceptual Water Supply Contingency Plan.

September 30, 1996, Lockheed Martin submitted the Water Supply Contingency Plan (WSCP) to the RWQCB – Santa Ana Region.

March 6, 1997, the RWQCB conditionally approved the WSCP, which included sampling eight production wells (City of Loma Linda Richardson #1, Richardson #2, Mountain View #1, Mountain View #2, Victoria Farms Mutual Water Company Wells #1 and #3, and Southern California Edison #1 and #2).

June 1997, Victoria Farms Mutual Water Company was connected of City of San Bernardino Water. Pumping ceased at VFMWC #1 and #3, and the two wells were removed from the program.

June 1997, sampling of SCE #1 was discontinued because it is not operated on a regular basis. The WSCP consists of five wells, including COLL Mountain View #1 and #2, COLL Richardson #1 and #2, and SCE #2 (AUX).

August 1997, the WSCP was expanded due to the detection of perchlorate in municipal supply wells in the Bunker Hill Basin. Twenty-six wells were added to the WSCP including nineteen City of Riverside wells, five City of Redlands wells, and two Loma Linda University wells, for a total of 31 wells.

October 1997, three City of Riverside water system sampling points were added to the WSCP, including the Gage system pipeline (Gage Delivery), the Waterman system pipeline (Iowa Booster), and the sampling station measuring outflow from the Linden and Evans Reservoirs (7<sup>th</sup> & Chicago).

March 1998, two City of Loma Linda water system sampling points were added to the WSCP, including the Mountain View system pipeline (Mountain View Blend at Lawton) and the Richardson system pipeline (Richardson Blend).

June 1998, one City of Riverside irrigation water system sampling point (Gage Arlington) and one additional City of Loma Linda water system sampling point (Mountain View Blend at Timoteo) were added to the WSCP.

December 1998, the COLL Richardson #3 well was added to the WSCP Sampling Program.

May 1999, Sampling of Mountain View Blend at Timoteo was discontinued because it does not represent a blend sample of the Mountain View pipeline system.

December 1999, the COLL Mountain View #3 well and the Gage 98-1 well were added to the WSCP Sampling Program

February 2000, the COLL Richardson #2 well was decommissioned, and therefore removed from the WSCP Sampling Program.

May 2000, Mountain View #2 was decommissioned, and therefore removed from the WSCP Sampling Program.

October 2000, COLL Mountain View #4 and COLL Richardson #4 were added to the WSCP Sampling Program.

TABLE 2
WSCP PRODUCTION WELL SAMPLING PROGRAM

Well Number	Well Name	Perchlorate	TCE
City of Loma Lind	a		
3106	Mountain View #3		X
3171	Mountain View #4	Χ.	X
693	Richardson #1	X	X
707	Richardson #3	X	X
3132	Richardson #4	X	X
City of Loma Lind	a Water System Sampling Points		
2967	Mountain View Blend - Lawton	X	X
2968	Richardson Blend	X	X
Southern Californ			
554	SĆĒ #2 (AUX)	I × I	X
Loma Linda Unive			
267	LL Univ Anderson #2	T X	
717	LL Univ Anderson #3	X	
City of Riverside (	<u> </u>		
252	Gage #26-1	T X	X
258	Gage #27-1	X	X
259	Gage #27-2	X	X
260	Gage #29-1	X	X
219	Gage #29-2	X	X
220	Gage #29-3	X	X
218	Gage #30-1	X	X
214	Gage #31-1	T x	X
215	Gage #46-1	X	X
253	Gage #51-1	X	X
216	Gage #56-1	X	X
257	Gage #66-1	X	X
644	Gage #92-1	X	X
641	Gage #92-2	X	X
642	Gage #92-3	X	X
3091	Gage #98-1	X	X
City of Riverside	(Waterman System)	• •	
273	Hunt #6	1 X 1	
271	Hunt #10	X	
272	Hunt #11	X	
City of Riverside	Water System Sampling Points	· · · · · · · · · · · · · · · · · · ·	
2946	Iowa Booster (Waterman)	T × T	×
2947	Gage Delivery (Gage)	X	X
2948	7th & Chicago (Reservoir)	X	X
3018	Gage Arlington	X	
City of Redlands		·	
542	COR Church St	T X	
2673	COR #38	X	
535	COR Mentone Acres	X	
29	COR Orange St	X	
74	COR Rees	$\frac{1}{x}$	X
Notes:		<u> </u>	

Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

TABLE 3

# WSCP PRODUCTION WELL SAMPLING PROGRAM MAY 2001 WELLS SAMPLED TWICE MONTHLY

Well Number	Well Name	Perchlorate	TCE
City of Loma Lin	da		-
693	Richardson #1	X	X
City of Riverside	(Gage System)		
259	Gage #27-2	X	
260	Gage #29-1	X	
219	Gage #29-2	X	
220	Gage #29-3	X	
253	Gage #51-1	X	
257	Gage #66-1	X	
644	Gage #92-1	X	

#### Notes:

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified)

TCE analyzed using EPA Method 502.2

## WSCP PRODUCTION WELL SAMPLING PROGRAM MAY 2001 DATA RESULTS

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218 Gage #30 214 Gage #31 215 Gage #46 253 Gage #51 253 Gage #51 253 Gage #51 256 Gage #56 257 Gage #66 257 Gage #66 644 Gage #92 644 Gage #92 644 Gage #92 641 Gage #92 642 Gage #82 3091 Gage #88 20ty of Riverside (Watermar 273 Hunt #6 271 Hunt #10 272 Hunt #11 272 Hunt #11 272 Hunt #11 274 Gage Del 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redlands		NS	NS	NS	
214 Gage #31 215 Gage #46 253 Gage #51 253 Gage #51 216 Gage #56 257 Gage #66 257 Gage #66 257 Gage #66 644 Gage #92 644 Gage #92 641 Gage #92 642 Gage #92 3091 Gage #92 City of Riverside (Watermar 273 Hunt #6 271 Hunt #10 272 Hunt #11 272 Hunt #11 274 Gage Del 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redlands		5/2/01	ND (4.0)	ND (0.5)	
215 Gage #46 253 Gage #51 253 Gage #51 253 Gage #51 216 Gage #56 257 Gage #66 257 Gage #66 257 Gage #66 644 Gage #92 641 Gage #92 642 Gage #92 3091 Gage #92 3091 Gage #92 3091 Hunt #6 273 Hunt #10 272 Hunt #11 272 Hunt #11 274 Gage Del 2947 Gage Del 2948 7th & Chi 3018 Gage Adi 253 Gage Adi City of Redands		5/2/01	4.5	ND (0.5)	
253 Gage #51 253 Gage #51 253 Gage #56 257 Gage #66 257 Gage #66 644 Gage #92 644 Gage #92 644 Gage #92 642 Gage #92 3091 Gage #92 273 Hunt #6 271 Hunt #10 272 Hunt #10 272 Hunt #11 City of Riverside Water Sys 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redands		5/2/01	8.4	ND (0.5)	
253 Gage #51 216 Gage #56 257 Gage #66 257 Gage #66 257 Gage #66 644 Gage #92 644 Gage #92 641 Gage #92 3091 Gage #92 3091 Gage #92 3091 Hunt #6 271 Hunt #10 272 Hunt #11 272 Hunt #11 274 Gage Del 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redands		5/2/01	44	NA NA	
216 Gage #56 257 Gage #66 257 Gage #66 257 Gage #66 644 Gage #92 644 Gage #92 641 Gage #92 642 Gage #92 3091 Gage #92 Sity of Riverside (Watermar 273 Hunt #10 272 Hunt #11 272 Hunt #11 274 Gage Del 2947 Gage Del 2948 7th & Chi 3018 Gage Arli		5/15/01	62	NA	
257 Gage #66 257 Gage #66 257 Gage #66 644 Gage #92 644 Gage #92 641 Gage #92 3091 Gage #92 3091 Gage #98 273 Hunt #6 271 Hunt #10 272 Hunt #11 272 Hunt #12 274 Gage Del 2947 Gage Del 2948 7th & Chi 3018 Gage Arli		NS	NS	NS	
644 Gage #92 644 Gage #92 641 Gage #92 642 Gage #92 3091 Gage #95 City of Riverside (Watermar 273 Hunt #10 272 Hunt #11 City of Riverside Water Sys 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redlands		5/2/01	17	NA	
644 Gage #92 641 Gage #92 642 Gage #92 3091 Gage #95 City of Riverside (Watermar 273 Hunt #10 272 Hunt #11 City of Riverside Water Sys 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redlands	i6-1	5/15/01	23	NA	
641 Gage #92 642 Gage #92 3091 Gage #95 City of Riverside (Watermar 273 Hunt #10 272 Hunt #10 272 Hunt #11 City of Riverside Water Sys 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redlands	92-1 <sup>b</sup>	5/2/01	23	1.3	
642 Gage #92 3091 Gage #92 3091 Gage #98 273 Hunt #6 271 Hunt #10 272 Hunt #11 274 Hunt #11 275 Hunt #11 275 Gage Del 2946 Tyn & Gage Del 2948 7th & Chi 3018 Gage Arli 276 Gage Arli 277 Gage Del 278 Gage Arli 278 Gage Arli 279 Gage Arli	92-1 <sup>b</sup>	5/15/01	32	NA	
3091 Gage #98 City of Riverside (Watermar 273 Hunt #6 271 Hunt #10 272 Hunt #11 City of Riverside Water Sysi 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redlands	)2-2ª	NS	NS	NS	
3091 Gage #98 273 Hunt #6 271 Hunt #10 272 Hunt #11 279 Hunt #10 279 H	)2-3ª	NS	NS	NS	
273 Hunt #6 271 Hunt #10 272 Hunt #11 272 Hunt #12 273 Hunt #10 272 Hunt #11 274 Hunt #11 275 Hunt #11 275 Hunt #11 276 Hunt #11 277 Hunt #11 277 Hunt #11 278 Hu		NS	NS	NŞ	
271 Hunt #10 272 Hunt #11 City of Riverside Water Sysi 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redlands			·		
272 Hunt #11  City of Riverside Water System 2946 Iowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli  City of Redlands		NŠ	NS NS	NS	
Sity of Riverside Water System         Water System           2946         Iowa Boo           2947         Gage Del           2948         7th & Chi           3018         Gage Arti           City of Redlands		5/15/01	11	NA	
2946 lowa Boo 2947 Gage Del 2948 7th & Chi 3018 Gage Arli City of Redlands		NS NS	NS	NŞ NŞ	
2947 Gage Del 2948 7th & Chi 3018 Gage Arli ity of Rediands					
2948 7th & Chi 3018 Gage Arli ity of Redlands	oster (Waterman)	5/1/01	ND (4.0)	ND (0.5)	
3018 Gage Arli City of Rediands	elivery (Gage) hicago (Reservoir)	5/1/01 5/1/01	7.0	ND (0.5)	
ity of Redlands		5/1/01	6.9	ND (0.5) NA	
	mycon	1 3/1/01	0.9	in i	
	nurch St <sup>a</sup>	l NS	l NS	NS .	
				NS NS	
		NS NS	NS NS	NS	
	entone Acresa	NS -	NS NS	NS	
29 COR Ora		5/1/01	ND (4.0)	NA NO. (0.5)	
74 COR Rec 74 COR Rec	ees (Duplicate)	5/1/01 5/1/01	5.1 5.3	ND (0.5) ND (0.5)	

### Notes:

= Twice-monthly sampling result

ND(4) = Not detected at the specified limit

NA = Not Analyzed
NS = Not Sampled

TCE = Trichloroethene

Perchlorate analyzed using DHS Method (EPA 300.0 Modified TCE analyzed using EPA Method 502.2

- = Well sampled on quarterly basis, if active
- = TCE treatment is installed b
- =Water purged to waste and not into system C

#### TABLE 5

## SUMMARY OF WATER LEVEL MEASUREMENTS MAY 2001 SAMPLING EVENT

Well Number	Well Name	Measure Date	Depth to Water	Measuring Point Elevation	Groundwater Elevation	Comments
City of Loma Line	la ,		·	<b>.</b>		<u> </u>
3106	Mountain View #3	5/7/01	117	1086	969	Pumping
3171	Mountain View #4	5/7/01	257	1106	849	Pumping
693	Richardson #1	5/7/01	172	1077	905	Static
707	Richardson #3	5/7/01	242	1078.69	836.69	Pumping
3132	Richardson #4	5/7/01	170	1074	904	Pumping
Mountian View P	ower (Formerly Southern Ca	lifornia Edison)	L	I		
554	SCE #2 (AUX)	5/2/01	NM	1100	NM	Pumping
Loma Linda Univ			, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	<u> </u>		<u> </u>
267	ILL Univ Anderson #2	5/1/01	NM	1075	NM	Pumping
717	LL Univ Anderson #3	5/1/01	NM	1070	NM	Pumping
City of Riverside	(Gage System)	Alle e light grade				
252	Gage #26-1	5/8/01	80.20	1045.33	965.13	Štatic
258	Gage #27-1	5/8/01	84.70	1044.64	959.94	Pumping
259	Gage #27-2	5/8/01	84.70	1044.64	959.94	Pumping
260	Gage #29-1	5/8/01	83.90	1044.43	960.53	Pumping
219	Gage #29-2	5/8/01	81.70	1046.31	964.61	Pumping
220	Gage #29-3	5/8/01	69.60	1048.75	979.15	Static
218	Gage #30-1	5/8/01	166.20	1054.17	887.97	Pumping
214	Gage #31-1	5/8/01	109.20	1054.64	945.44	Pumping
215	Gage #46-1	5/8/01	108.80	1065.5	956.7	Pumping
253	Gage #51-1	5/8/01	174.90	1044.64	869.74	Pumping
216	Gage #56-1	5/8/01	182.80	1065.5	882.7	Pumping
257	Gage #66-1	5/8/01	135.70	1044.85	909.15	Pumping
644	Gage #92-1	5/8/01	179.40	1047.78	868.38	Pumping
641	Gage #92-2	5/8/01	200.80	1053.38	852.58	Pumping
642	Gage #92-3	5/8/01	197.90	1058.78	860.88	Pumping
3091	Gage #98-1	5/8/01	190.70	1058.78	868.08	Pumping
City of Riverside	(Waterman System)		*			***
273	Hunt #6	5/1/01	NM	1015.5	NM	Štatic
271	Hunt #10	5/15/01	NM	1017	NM	Pumping
272	Hunt #11	5/1/01	NM	1015.7	NM	Static
City of Redlands		· .		a s		
542	COR Church St	5/1/01	NM	1344.8	NM	Static
2673	COR #38	5/1/01	154.0	1193	1039	Pumping
535	COR Mentone Acres	5/1/01	235.0	1506.4	1271.4	Pumping
29	Cor Orange St	5/1/01	144.0	1282	1138	Pumping
74	COR Rees	5/1/01	285.0	1490	1205	Pumping

#### Notes:

All measurements reported in feet below measuring point (ft-bmp)

Water level measurements for all City of Loma Linda, City of Riverside, and City of Redlands wells were obtained by purveyor personnel.

Elevations given in feet above mean sea level (ft-msl)

NM = Not measured

NA = Data not available

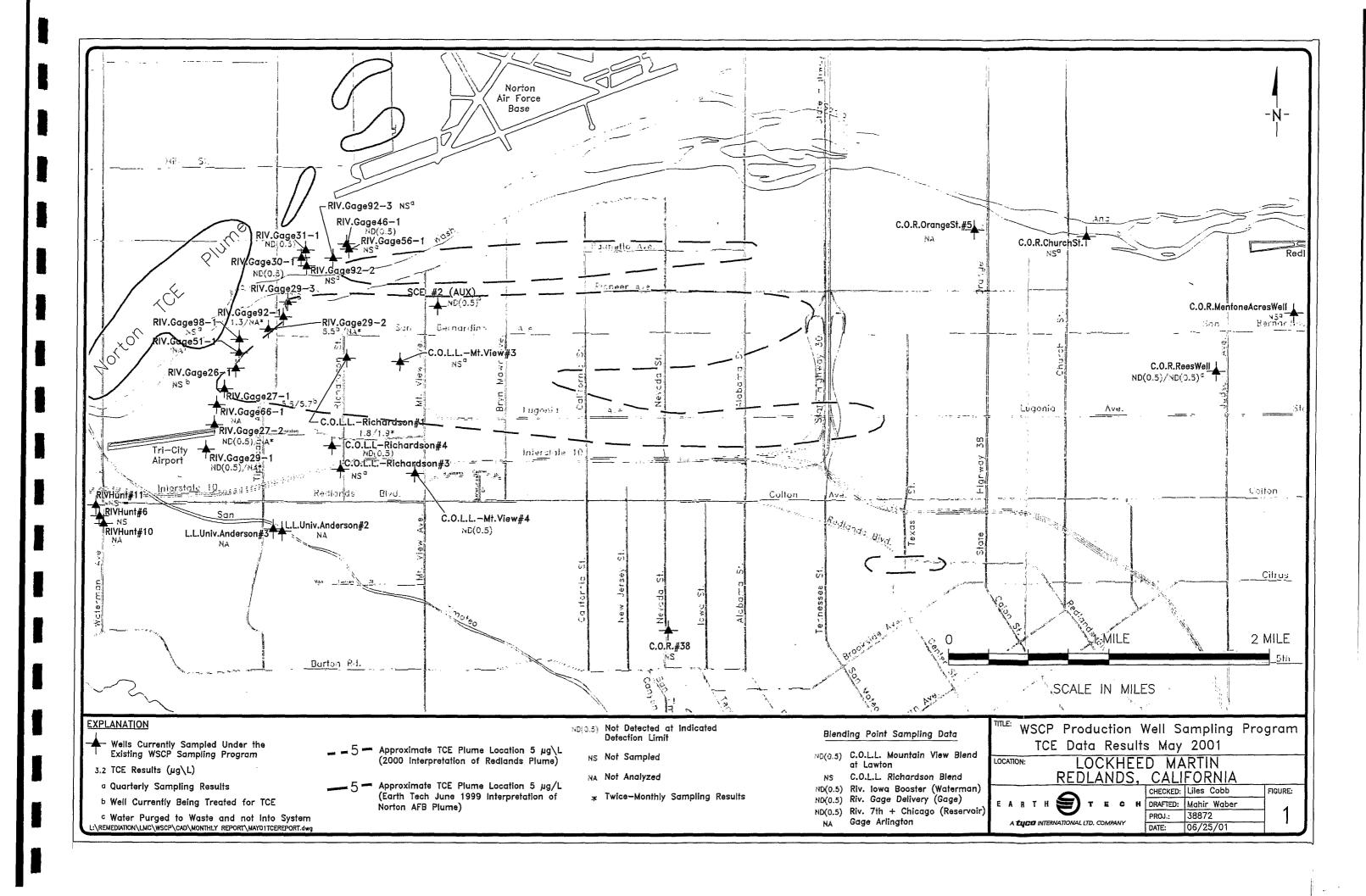
Static water levels were allowed to recover a minimum of 30 minutes to obtain a static water level measurement

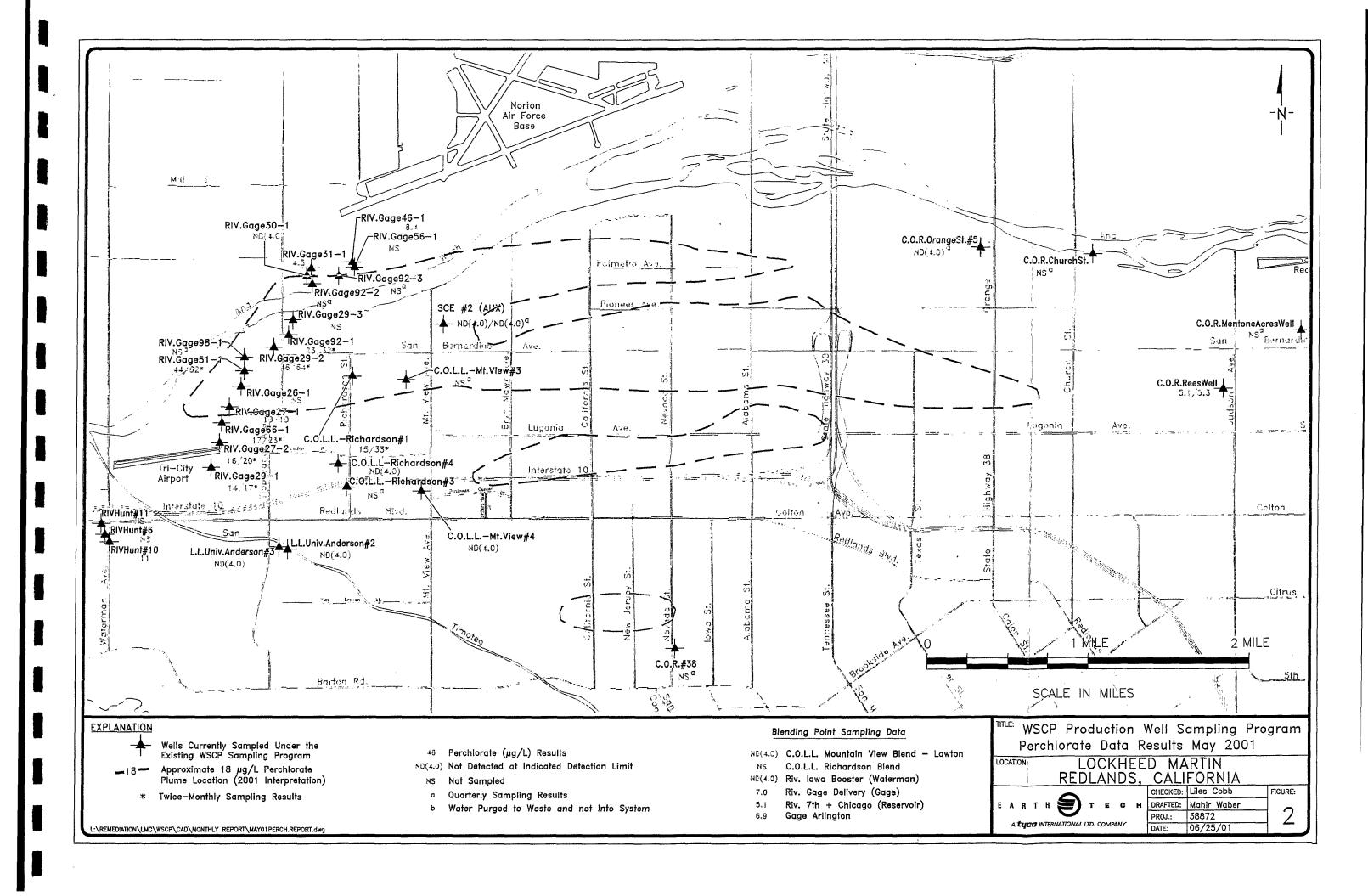
TABLE 6

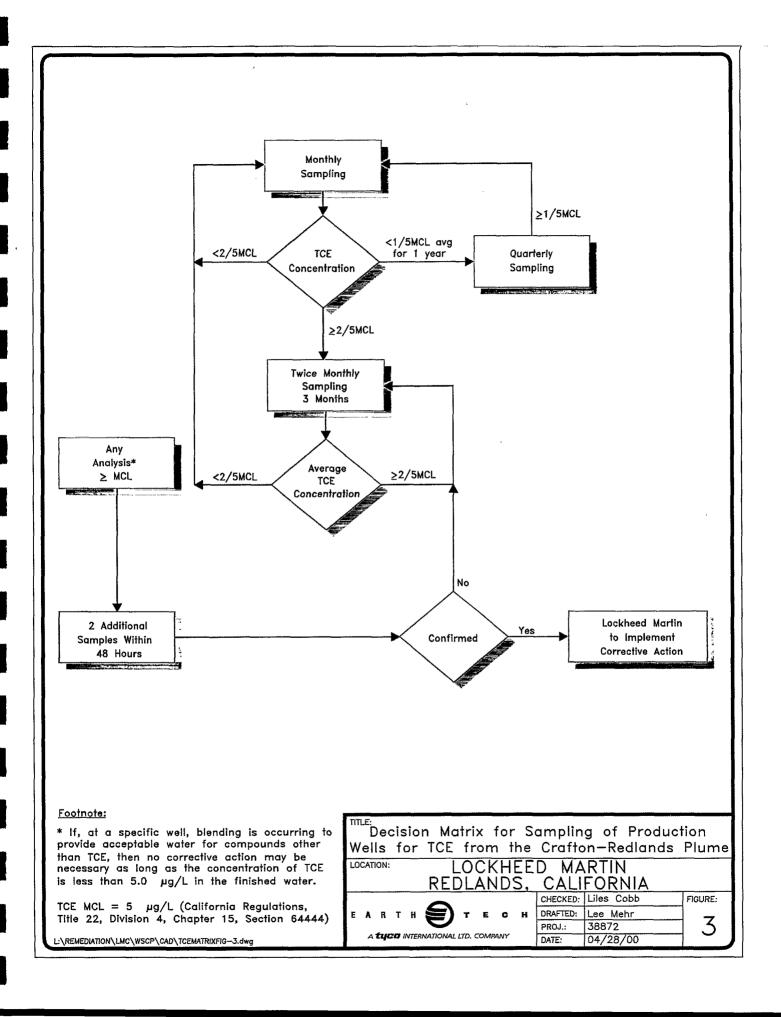
# WSCP PRODUCTION WELL SAMPLING PROGRAM MAY 2001 SAMPLE IDENTIFICATIONS

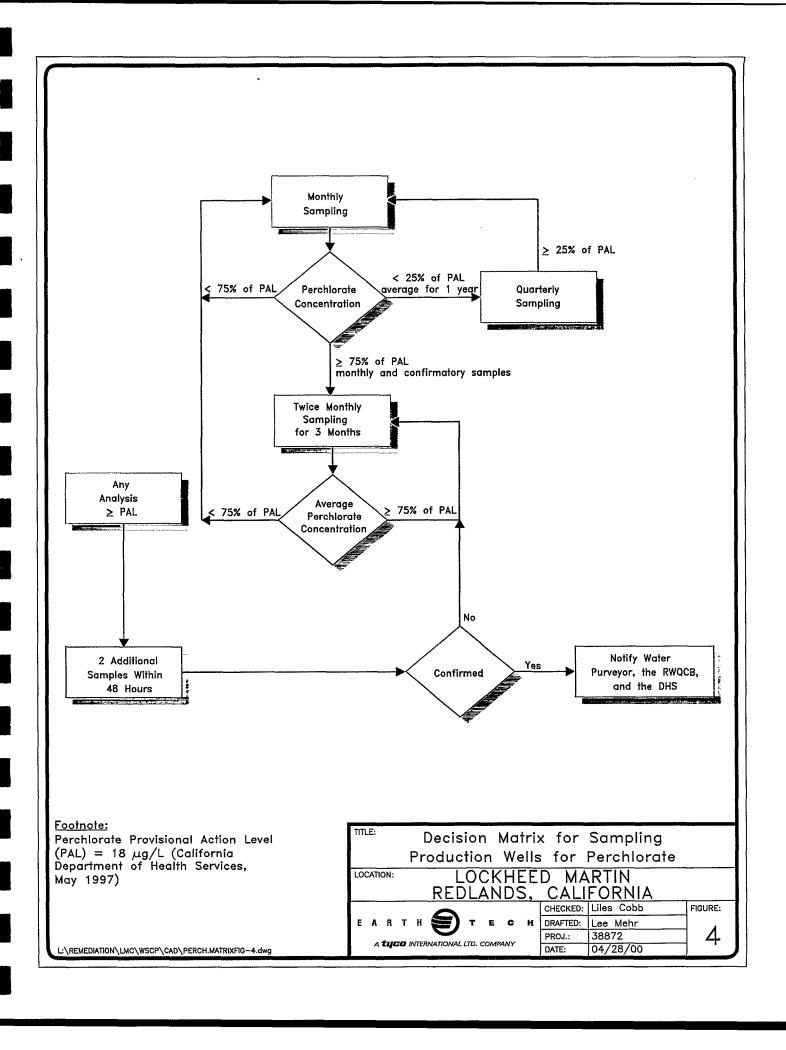
Well Number	Well Name		Sample	Sample Number	Analyzed for	Analyzed for
		Sample Date	Time	Identification	Perchlorate	TCE
City of Loma Lind	a		-			
3106	Mountain View #3	NS	ŃŚ	. NŠ	NS	NS
3171	Mountain View #4	5/1/01	11:35	GW-5-4	Yes	Yes
693	Richardson #1	5/1/01	9:40	GW-5-1	Yes	Yes
693	Richardson #1	5/15/01	9:30	GW-5-27	Yes	Yes
693	Richardson #1	5/15/01	9:35	GW-5-28	No	Yes
707	Richardson #3	NS	NS	NS	NS	NS
3132	Richardson #4	5/1/01	10:20	GW-5-2	Yes	Yeş
	a Water System Sampling Points		·			
2967	Mountain View Blend - Lawton	5/1/01	11:05	GW-5-3	Yes	Yes
2968	Richardson Blend	NS I	NS	NS	NŞ	NS
	ower (Formerly Southern California		***************************************			
554	SĆE #2 (AUX)	5/2/01	15:15	GW-5-25	Yes	Yes
554	\$ÇE #2 (AUX)	5/2/01	15:20	GW-5-26	Yes	No
Loma Linda Unive			······································			**************************************
267	LL Univ Anderson #2	5/1/01	14:15	ĞW-5-8	Yes	NA NA
717	LL Univ Anderson #3	5/1/01	14:35	GW-5-9	Yes	NA NA
City of Riverside			سنسم وبيات		· · · · · · · · · · · · · · · · · · ·	Y
252	Gage #26-1	NS NS	NS NS	NŠ	NS	ŇS
258	Gage #27-1	5/2/01	11:10	GW-5-17	Yes	Yes
258	Gage #27-1 (Duplicate)	5/2/01	11:15	GW-5-18	Yes	Yes
259	Gage #27-2	5/2/01	12:20	GW-5-19	Yes	Yes
259	Gage #27-2	5/15/01	11:00	GW-5-31	Yes	No
259	Gage #27-2	5/15/01	11:05	GW-5-32	Yes	No
260	Gage #29-1	5/2/01	12:45	GW-5-20	Yes	Yes
260	Gage #29-1	5/15/01	11:25	GW-5-33	Yes	No
219	Gage #29-2	5/2/01	14:15	GW-5-23	Yes	Yes
219	Gage #29-2	5/15/01	12:15	GW-5-35	Yes NO	No No
220	Gage #29-3	NS NS	NS	NS NS	NS	NS
218	Gage #30-1	5/2/01 5/2/01	10:35	GW-5-16	Yes	Yes
214	Gage #31-1		10:15	GW-5-15	Yes	Yes
215	Gage #46-1	5/2/01 5/2/01	9:50	GW-5-14	Yes	Yes
253	Gage #51-1	5/2/01	13:50 10:40	GW-5-22 GW-5-30	Yes	No
253	Gage #51-1		NS		Yes NS	No
216 257	Gage #56-1 Gage #66-1	NS 5/2/01	13:30	NS GW-5-21	Yes	NS Yes
257	Gage #66-1	5/15/01	11:50	GW-5-21 GW-5-34	Yes	No
644	Gage #92-1	5/2/01	14:40	GW-5-34 GW-5-24	Yes	Yes
644	Gage #92-1	5/15/01	10:15	GW-5-29	Yes	No
641	Gage #92-2	NS NS	NS	NS NS	NS NS	NS NS
642	Gage #92-3	NS NS	NS	NS NS	NS NS	NS NS
3091	Gage #98-1	NS NS	NS	NS	NS	NS NS
	(Waterman System)				<u> </u>	
273	Hunt #6	NS	NS	l NS	NŠ	NS
271	Hunt #10	5/15/01	14:20	GW-5-36	Yes	NA NA
272	Hunt #11	NS	NS	NS	NŞ	NS
	Water System Sampling Points	1	· · · · · · · · · · · · · · · · · · ·			
2946	Iowa Booster (Waterman)	5/1/01	15:10	GW-5-10	Yes	Yes
2947	Gage Delivery (Gage)	5/1/01	15:40	GW-5-11	Yes	Yes
2948	7th & Chicago (Reservoir)	5/1/01	16:00	GW-5-12	Yes	Yes
3018	Gage Arlington	5/1/01	16:30	GW-5-13	Yeş	NA
City of Redlands				······································		······································
542	COR Church St	NS	NŠ	NŠ	NŠ	ŃŚ
2673	COR #38	NS	NS	NS	NS	NS
535	COR Mentone Acres	NS	NS	NS	NS	NA
29	COR Orange St	5/1/01	13:05	GW-5-7	Yes	NA
74	COR Rees	5/1/01	12:10	GW-5-5	Yes	Yes
74	COR Rees (Duplicate)	5/1/01	12:15	GW-5-6	Yes	Yes

**FIGURES** 









### ATTACHMENT A

FIELD SAMPLE FORMS (Available Upon Request)

### ATTACHMENT B

CHAIN-OF-CUSTODY RECORDS AND LABORATORY DATA SHEETS AND LEVEL III MODIFIED QUALITY ASSURANCE/QUALITY CONTROL DOCUMENTATION (Available Upon Request)